CRF Errors Corrected by the STIC Systems Branch

Serial Number: _09/954,453_

ENTERED

- ☐ Changed a file from non-ASCII to ASCII

- ☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.

- ☐ Edited a format error in the Current Application Data section, specifically: _____

- ☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other _____.

- ☐ Added the mandatory heading and subheadings for "Current Application Data".

- ☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.

- ☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically: _____

- ☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were: _____

- ☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited: _____

- ☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.

- ☐ Inserted colons after headings/subheadings. Headings edited included: _____

- ☐ Deleted extra, invalid, headings used by an applicant, specifically: _____

- ☑ Deleted: ☑ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file; ☐ page numbers throughout text; ☐ other invalid text, such as _____.

- ☐ Inserted mandatory headings, specifically: _____

- ☐ Corrected an obvious error in the response, specifically: _____

- ☐ Edited identifiers where upper case is used but lower case is required, or vice versa.

- ☐ Corrected an error in the Number of Sequences field, specifically: _____

- ☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.

- ☐ Deleted *ending* stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: _____

- ☐ Other: _____
  _____
  _____
  _____

*Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.

3/1/95

RAW SEQUENCE LISTING   DATE: 07/03/2002
PATENT APPLICATION: US/09/954,483A   TIME: 14:06:56

Input Set : A:\PTO.DC.txt
Output Set: N:\CRF3\07032002\I954483A.raw

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 4 <110> APPLICANT: Siebel, Christian
 5       Brennan, Thomas J.
 7 <120> TITLE OF INVENTION: METHODS OF PRODUCING CELLS AND ANIMALS
 8       COMPRISING TARGETED GENE MODIFICATIONS AND COMPOSITIONS
 9       RELATING THERETO
11 <130> FILE REFERENCE: RMES-02
13 <140> CURRENT APPLICATION NUMBER: US 09/954,483A
14 <141> CURRENT FILING DATE: 2002-06-10
16 <150> PRIOR APPLICATION NUMBER: US 60/232,957
17 <151> PRIOR FILING DATE: 2000-09-15
19 <160> NUMBER OF SEQ ID NOS: 14
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29 <223> OTHER INFORMATION: Targeting Vector
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36 <211> LENGTH: 119
37 <212> TYPE: DNA
38 <213> ORGANISM: Artificial Sequence
40 <220> FEATURE:
41 <223> OTHER INFORMATION: Targeting Vector
43 <400> SEQUENCE: 2
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45 tgccgcgcta ttgtgagcgc tcacaattcc gggcctttcg acctgcagcc aatatggga 119
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48 <211> LENGTH: 64
49 <212> TYPE: DNA
50 <213> ORGANISM: Artificial Sequence
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53 <223> OTHER INFORMATION: Targeting Vector
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58 tacg                                                              64
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61 <211> LENGTH: 66
62 <212> TYPE: DNA
63 <213> ORGANISM: Artificial Sequence
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C--> (line 14 annotation)

RAW SEQUENCE LISTING   DATE: 07/03/2002
PATENT APPLICATION: **US/09/954,483A**   TIME: 14:06:56

Input Set : **A:\PTO.DC.txt**
Output Set: **N:\CRF3\07032002\I954483A.raw**

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74 <212> TYPE: DNA
75 <213> ORGANISM: Artificial Sequence
77 <220> FEATURE:
78 <223> OTHER INFORMATION: Primer
80 <400> SEQUENCE: 5
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84 <211> LENGTH: 75
85 <212> TYPE: DNA
86 <213> ORGANISM: Artificial Sequence
88 <220> FEATURE:
89 <223> OTHER INFORMATION: Primer
91 <400> SEQUENCE: 6
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96 <211> LENGTH: 18
97 <212> TYPE: DNA
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112 <223> OTHER INFORMATION: Primer
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116 cccgcc                                                           66
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119 <211> LENGTH: 17
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121 <213> ORGANISM: Artificial Sequence
123 <220> FEATURE:
124 <223> OTHER INFORMATION: Primer
126 <400> SEQUENCE: 9
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129 <210> SEQ ID NO: 10
130 <211> LENGTH: 26
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145 <220> FEATURE:
146 <223> OTHER INFORMATION: Oligonucleotide Primer
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150 ttttcagcac cacggagagt gcctctga                                      88
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154 <212> TYPE: DNA
155 <213> ORGANISM: Artificial Sequence
157 <220> FEATURE:
158 <223> OTHER INFORMATION: Oligonucleotide Primer
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167 <213> ORGANISM: Artificial Sequence
169 <220> FEATURE:
170 <223> OTHER INFORMATION: Construct Sequence
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178 gatccttgag agttttcgcc ccgaagaacg ttctccaatg atgagcactt ttaaagttct 360
179 gctatgtggc gcggtattat cccgtgttga cgccgggcaa gagcaactcg gtcgccgcat 420
180 acactattct cagaatgact tggttgagta ctcaccagtc acagaaaagc atcttacgga 480
181 tggcatgaca gtaagagaat tatgcagtgc tgccataacc atgagtgata acactgcggc 540
182 caacttactt ctgacaacga tcggaggacc gaaggagcta accgcttttt tgcacaacat 600
183 gggggatcat gtaactcgcc ttgatcgttg ggaaccggag ctgaatgaag ccataccaaa 660
184 cgacgagcgt gacaccacga tgcctgtagc aatggcaaca acgttgcgca aactattaac 720
185 tggcgaacta cttactctag cttcccggca acaattaata gactggatgg aggcggataa 780
186 agttgcagga ccacttctgc gctcggccct tccggctggc tggtttattg ctgataaatc 840
187 tggagccggt gagcgtgggt ctcgcggtat cattgcagca ctggggccag atggtaagcc 900
188 ctcccgtatc gtagttatct acacgacggg gagtcaggca actatggatg aacgaaatag 960
189 acagatcgct gagataggtg cctcactgat taagcattgg taactgtcag accaagttta 1020
190 ctcatatata ctttagattg atttaccccg gttgataatc agaaaagccc caaaaacagg 1080
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RAW SEQUENCE LISTING   DATE: 07/03/2002
PATENT APPLICATION: US/09/954,483A   TIME: 14:06:56

Input Set : A:\PTO.DC.txt
Output Set: N:\CRF3\07032002\I954483A.raw

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193 aaatcaaaag aatagcccga gatagggttg agtgttgttc cagtttggaa caagagtcca 1260
194 ctattaaaga acgtggactc caacgtcaaa gggcgaaaaa ccgtctatca gggcgatggc 1320
195 ccactacgtg aaccatcacc caaatcaagt tttttggggt cgaggtgccg taaagcacta 1380
196 aatcggaacc ctaaagggag cccccgattt agagcttgac ggggaaagcg aacgtggcga 1440
197 gaaaggaagg gaagaaagcg aaaggagcgg gcgctagggc gctggcaagt gtagcggtca 1500
198 cgctgcgcgt aaccaccaca cccgccgcgc ttaatgcgcc gctacagggc gcgtaaaagg 1560
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200 ttccactgag cgtcagaccc cgtagaaaag atcaaaggat cttcttgaga tcctttttt 1680
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203 ccaaatactg ttcttctagt gtagccgtag ttaggccacc acttcaagaa ctctgtagca 1860
204 ccgcctacat acctcgctct gctaatcctg ttaccagtgg ctgctgccag tggcgataag 1920
205 tcgtgtctta ccgggttgga ctcaagacga tagttaccgg ataaggcgca gcggtcgggc 1980
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216 taacttacgg taaatggccc gcctggctga ccgcccaacg acccccgccc attgacgtca 2640
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238 agccgaaatc tgggaggcgc cgccgcaccc cctctagcgg gcgcgggcga agcggtgcgg 3960
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Input Set : A:\PTO.DC.txt
Output Set: N:\CRF3\07032002\I954483A.raw

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258 atcccgccgt caaccaccat caaacaggat tttcgcctgc tggggcaaac cagcgtggac 5160
259 cgcttgctgc aactctctca gggccaggcg gtgaagggca atcagctgtt gcccgtctca 5220
260 ctggtgaaaa gaaaaaccac cctggcgccc aatacgcaaa ccgcctctcc ccgcgcgttg 5280
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272 tattacggac tggccgtcgt tttacaacgt cgtgactggg aaaaccctgg cgttacccaa 6000
273 cttaatcgcc ttgcagcaca tccccctttc gccagctggc gtaatagcga agaggcccgc 6060
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278 <211> LENGTH: 5100
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280 <213> ORGANISM: Artificial Sequence
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283 <223> OTHER INFORMATION: Construct Sequence
285 <400> SEQUENCE: 14
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288 tacataactt acggtaaatg gcccgcctgg ctgaccgccc aacgaccccc gcccattgac 180
289 gtcaataatg acgtatgttc ccatagtaac gccaataggg actttccatt gacgtcaatg 240
290 ggaggagtat ttacggtaaa ctgcccactt ggcagtacat caagtgtatc atatgccaag 300
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VERIFICATION SUMMARY   DATE: 07/03/2002
PATENT APPLICATION: **US/09/954,483A**   TIME: 14:06:57

Input Set : **A:\PTO.DC.txt**
Output Set: **N:\CRF3\07032002\I954483A.raw**

L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date

RAW SEQUENCE LISTING   DATE: 06/17/2002
PATENT APPLICATION: US/09/954,483A   TIME: 13:48:27

Input Set : **A:\PTO.VSK.txt**
Output Set: **N:\CRF3\06172002\I954483A.raw**

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 4 ·110> APPLICANT: Siebel, Christian
 5        Brennan, Thomas J.
 7 <120> TITLE OF INVENTION: METHODS OF PRODUCING CELLS AND ANIMALS
 8        COMPRISING TARGETED GENE MODIFICATIONS AND COMPOSITIONS
 9        RELATING THERETO
11 <130> FILE REFERENCE: RMES-02
13 <140> CURRENT APPLICATION NUMBER: US 09/954,483A
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C--> **14 <141> CURRENT FILING DATE: 2002-06-10**

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16 <150> PRIOR APPLICATION NUMBER: US 60/232,957
17 <151> PRIOR FILING DATE: 2000-09-15
19 <160> NUMBER OF SEQ ID NOS: 14
21 <170> SOFTWARE: FastSEQ for Windows Version 4.0
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ERRORED SEQUENCES

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277 <210> SEQ ID NO: 14
278 <211> LENGTH: 5100
279 <212> TYPE: DNA
280 <213> ORGANISM: Artificial Sequence
282 <220> FEATURE:
283 <223> OTHER INFORMATION: Construct Sequence
285 <400> SEQUENCE: 14
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RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/954,483A

DATE: 06/17/2002
TIME: 13:48:27

Input Set : A:\PTO.VSK.txt
Output Set: N:\CRF3\06172002\I954483A.raw

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E--> 372/7

E--> 375(1) --delete

VERIFICATION SUMMARY   DATE: 06/17/2002
PATENT APPLICATION: **US/09/954,483A**   TIME: 13:48:28

Input Set : **A:\PTO.VSK.txt**
Output Set: **N:\CRF3\06172002\I954483A.raw**

L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:372 M:254 E: No. of Bases conflict, this line has no nucleotides.
M:254 Repeated in SeqNo=14